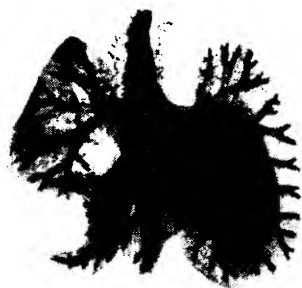
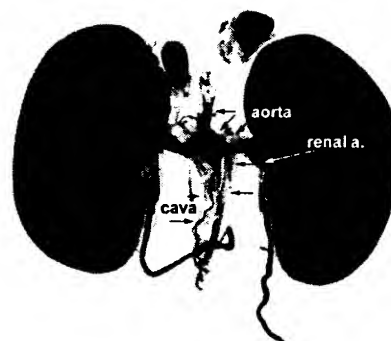




Heart



Lung



Kidney



Stomach



Small
Intestine



Bladder

FIG. 1

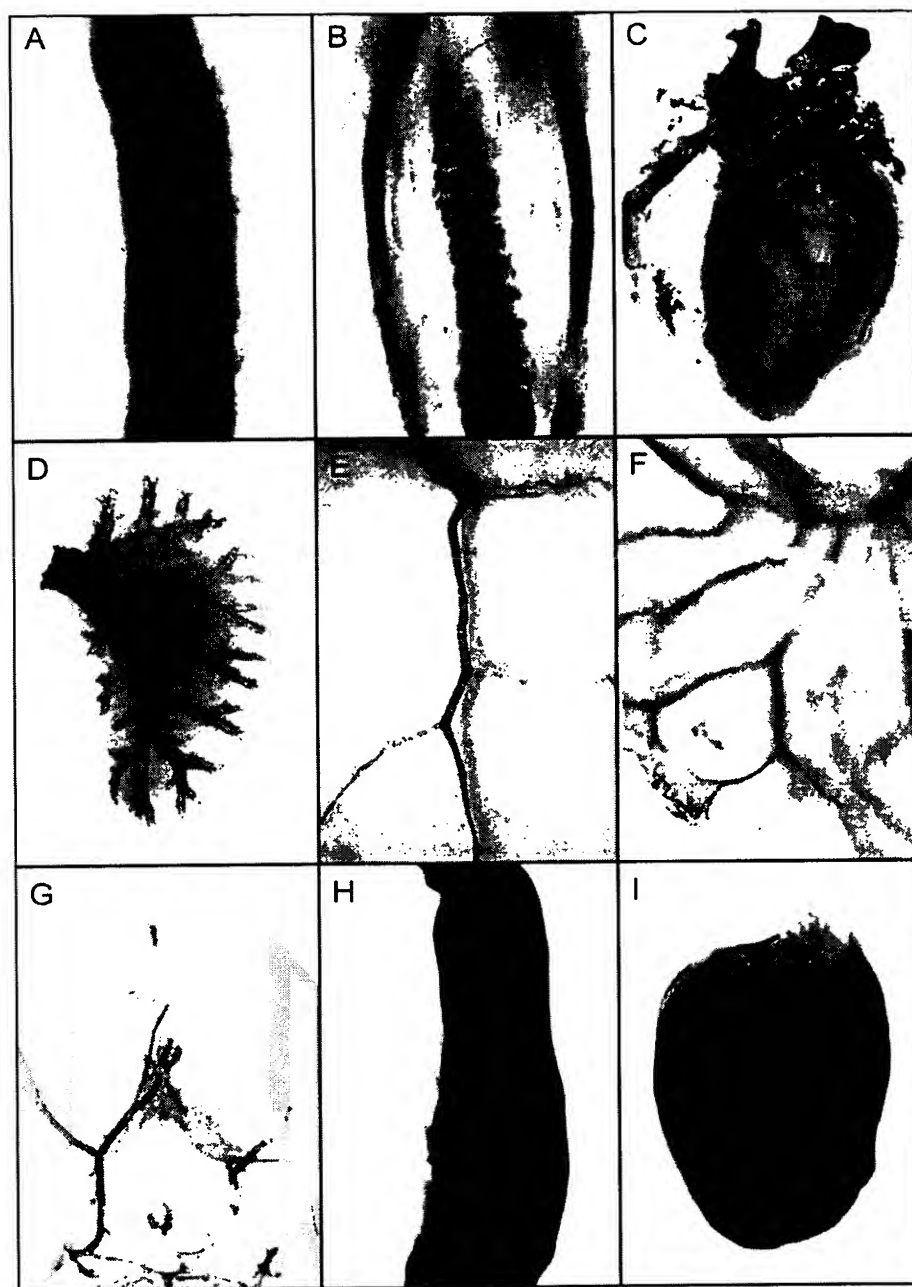


FIG. 2

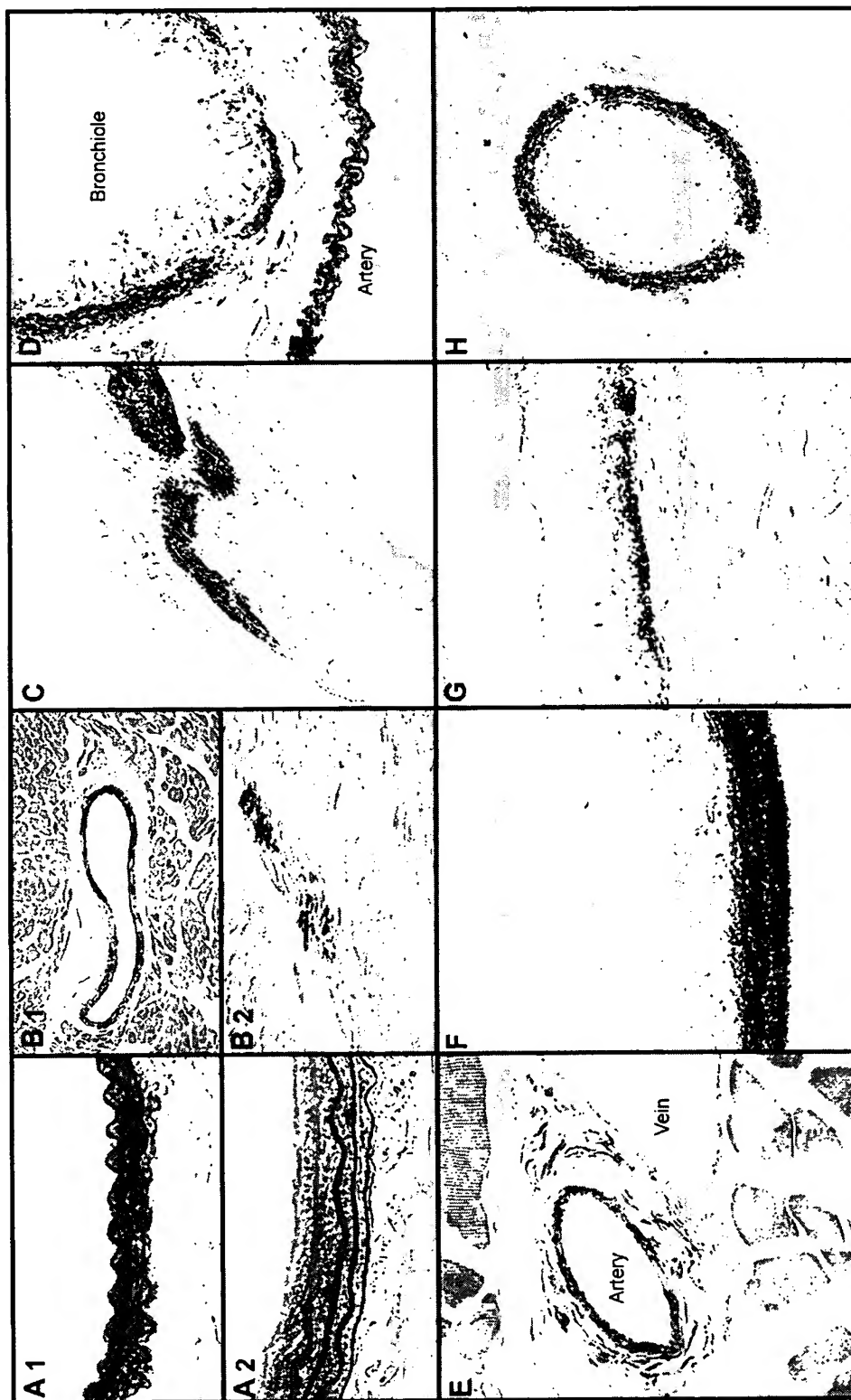


FIG. 3



FIG. 4

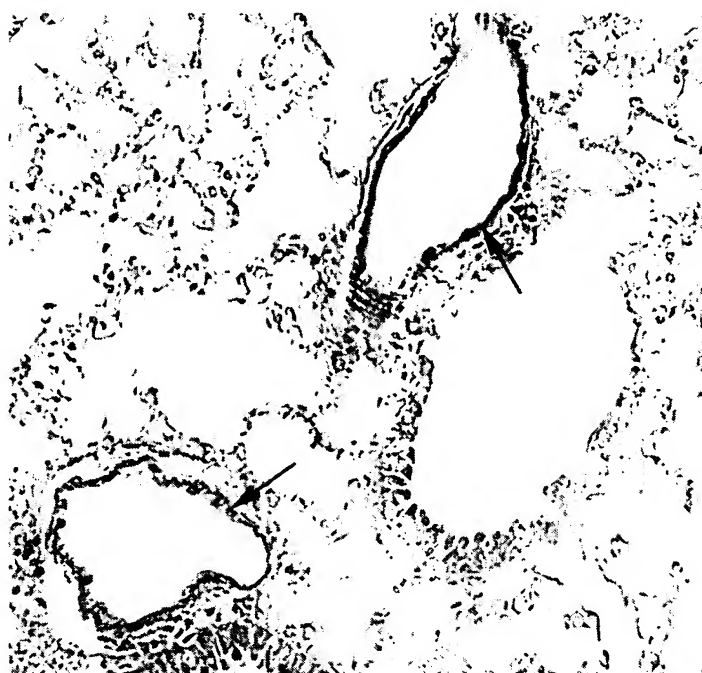


FIG. 5



Heart



Lung

FIG. 6

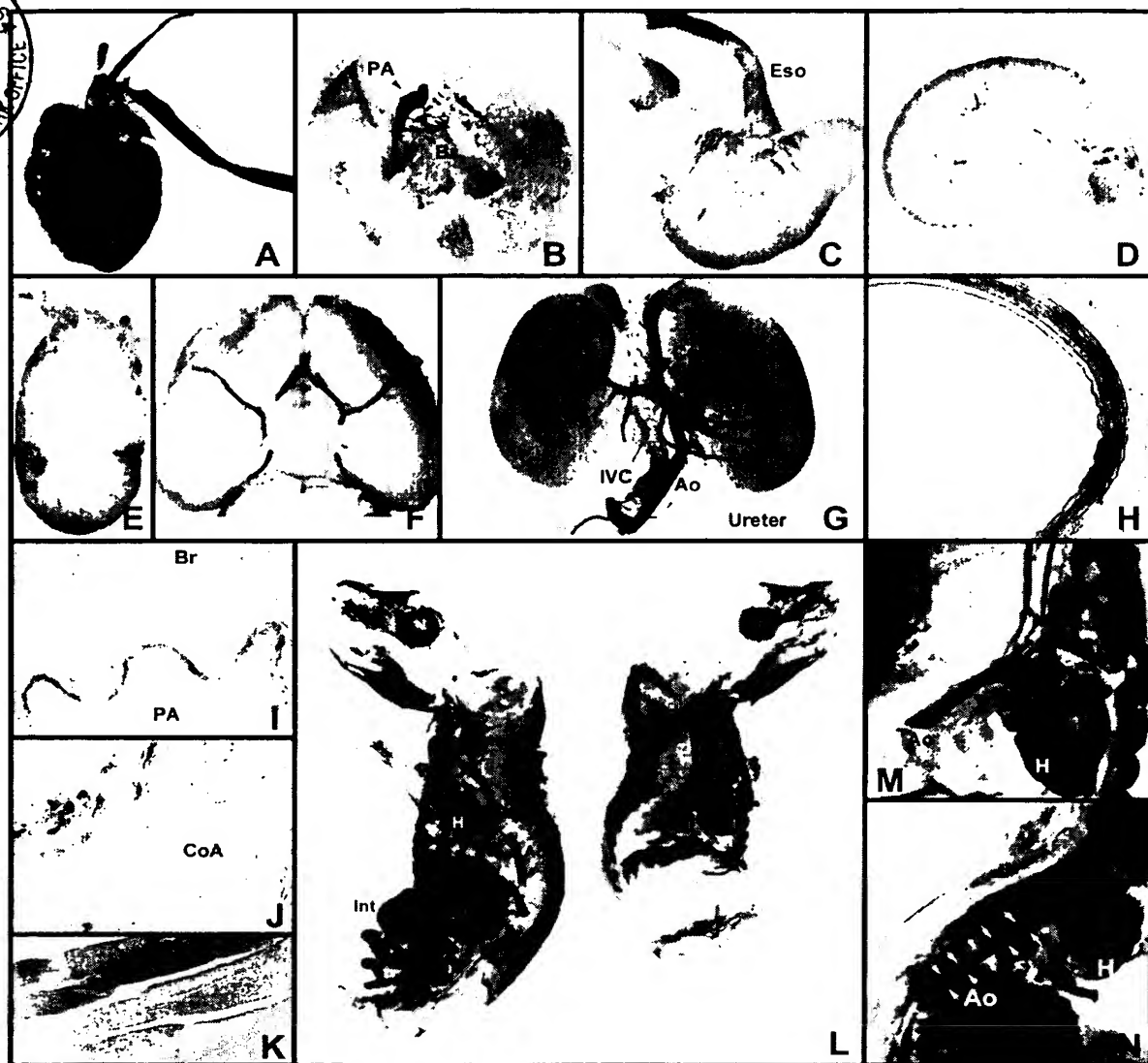
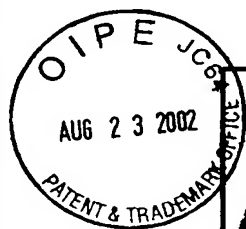


FIG. 7

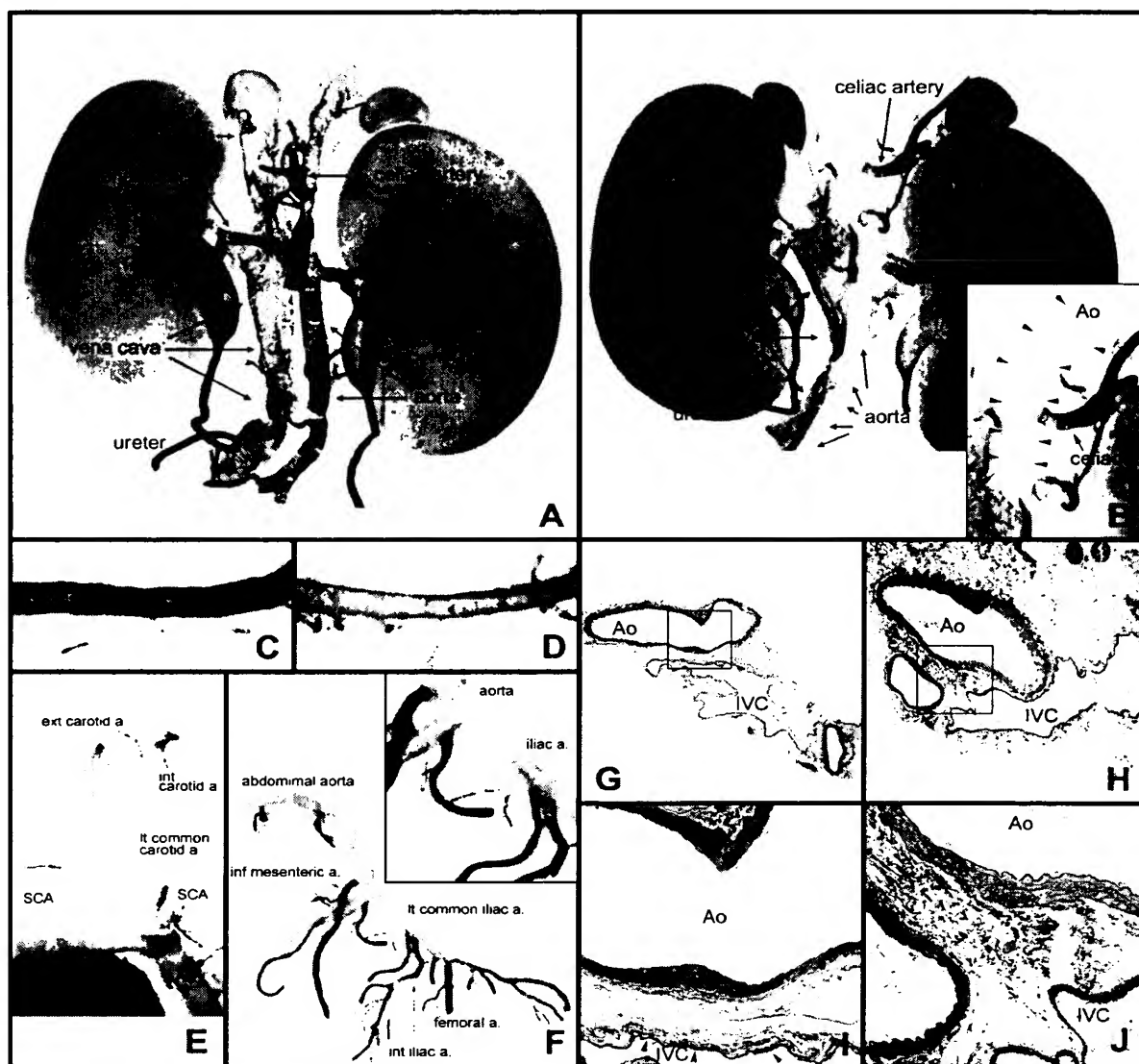
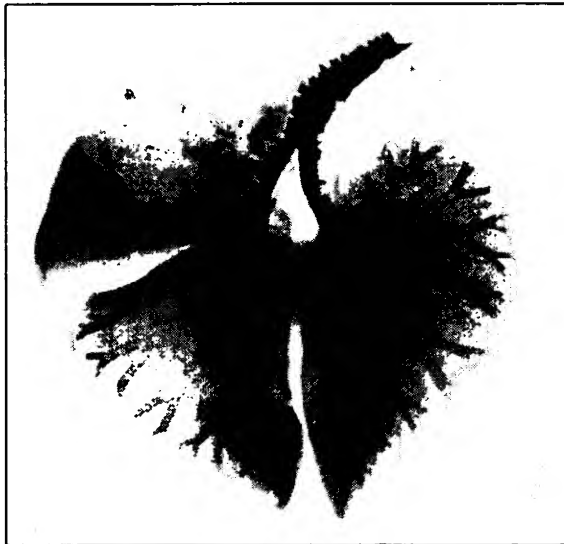


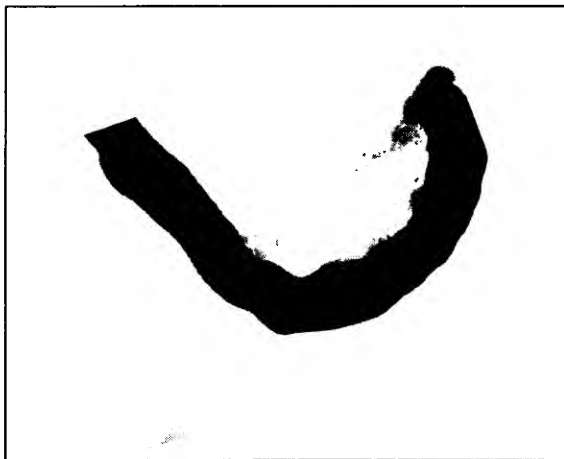
FIG. 8



Conducting airways and lungs.



Stomach, small intestine, and esophagus.



Colon.

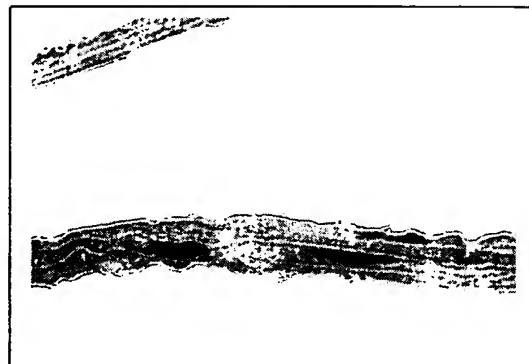


Iliac Artery.

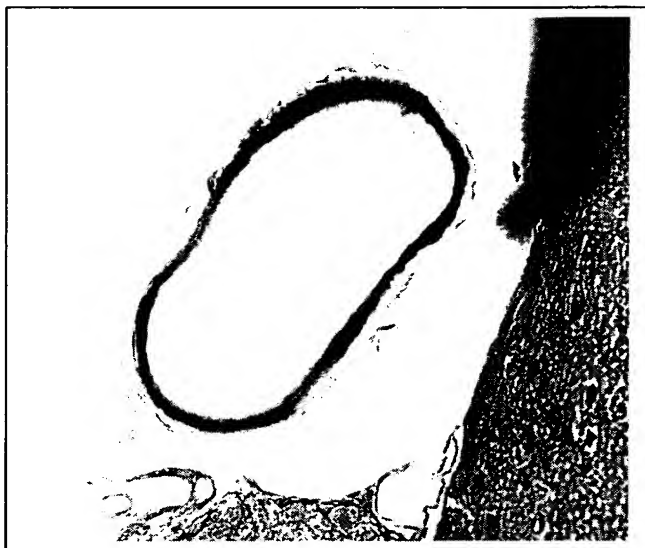
Fig. 9



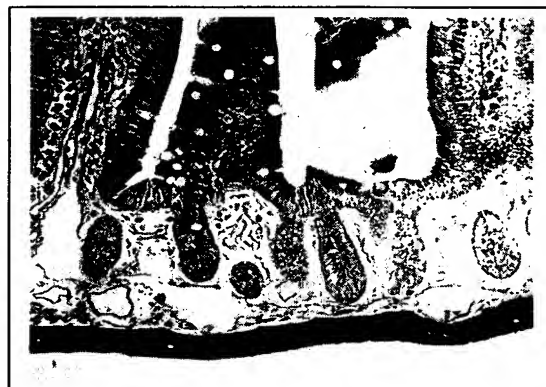
Ileum



Abdominal aorta



Small artery (circle of Willis)



Colon

FIG. 10



SM MHC 5'-Flanking sequence

CArG3

Rat : GGGAGG---CTGCAGGGAACCATATTTAGTCAGGGGGAGCCAG-AGCCC--CGCTGGTATG
Human : GGAAGGCCACT-C-GGCAACCATATTTAGTCAGGGGGAGCCGGCAGCCCAGAGCTGGTATG

CArG2

Rat : C--CAAGCTGGGAATTCTTGTTTC--G-A-GAAT-TGCGCCTGGCCTTTTTTGGGTTGTTT
Human : CGGC--GCTGGGAATTCCTG--CAGGAAGGAGTCCGCGCCTGOCCTTTTTTGGGTTGTCT

GC repressor

Rat : CCCGCCCAGGCC---AGGAGGGGGACCAGCTCAGG-ACCTC-GAGG-G-
Human : CCCGCCCAGGCCCTCCCGCCGCTCCCGGGGAGGGGGACCGGCCCGGCCCGGCCCGGCCCGG

Rat : TCCGTG--CGCGGGGAGCGA-----GGCTCCCG
Human : GAACCTCGGAGGAGCTGGTGCCCGCGGGGAGCGGAGCGCCCGGGCTGCCCGCGGGTCCCG

CArG1

Rat : GGCCTGGCATGAGGCCA---CTCTGCCTCGACTTCCTTTTATGGCCTGAGTGTGAGTGCA
Human : GGCCTGGCAGCGGGGCCAGCCACCGCCTCGACTTCCTTTTATGGCCTGTGTGTGCGTGCG

Rat : TGGAGAGTG-G-GAGGGAGGGAGGGA
Human : TGGACAG-GAGCG-GGGAGGGAGGGA

FIG. 11

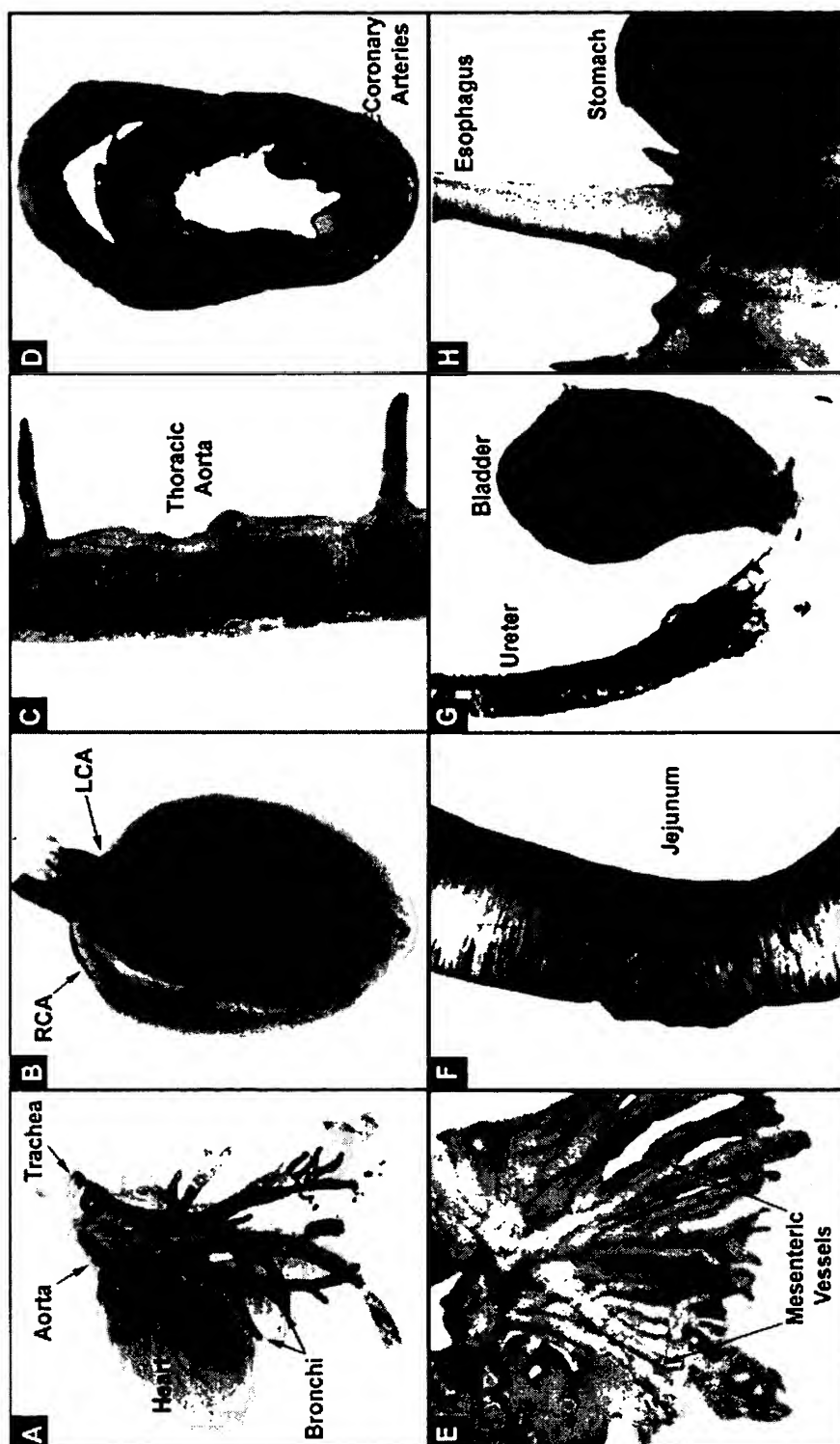


FIG. 12

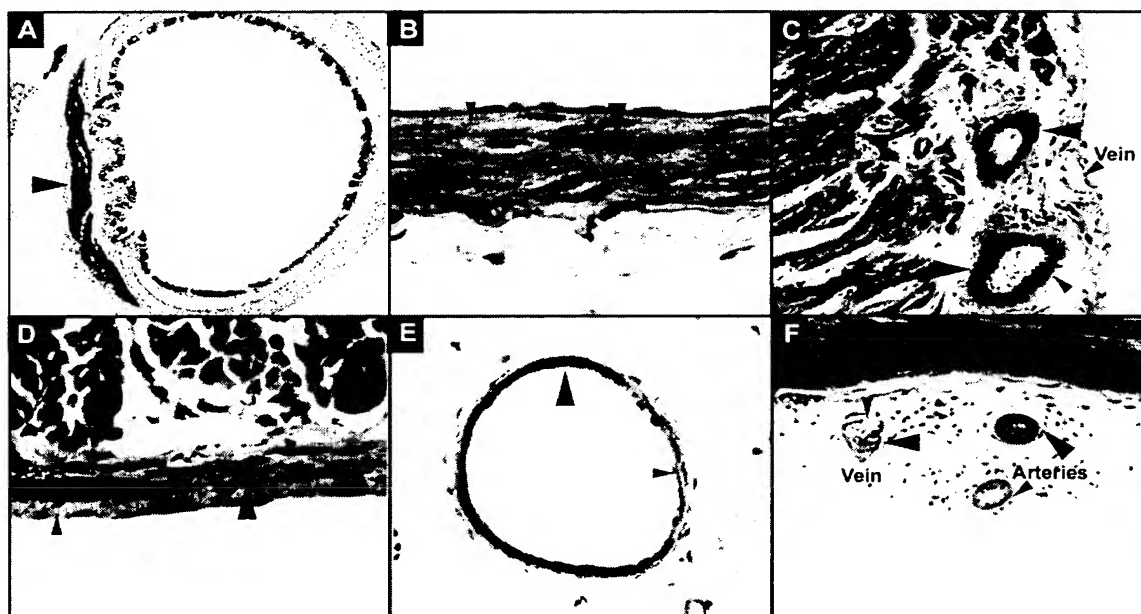


FIG. 13

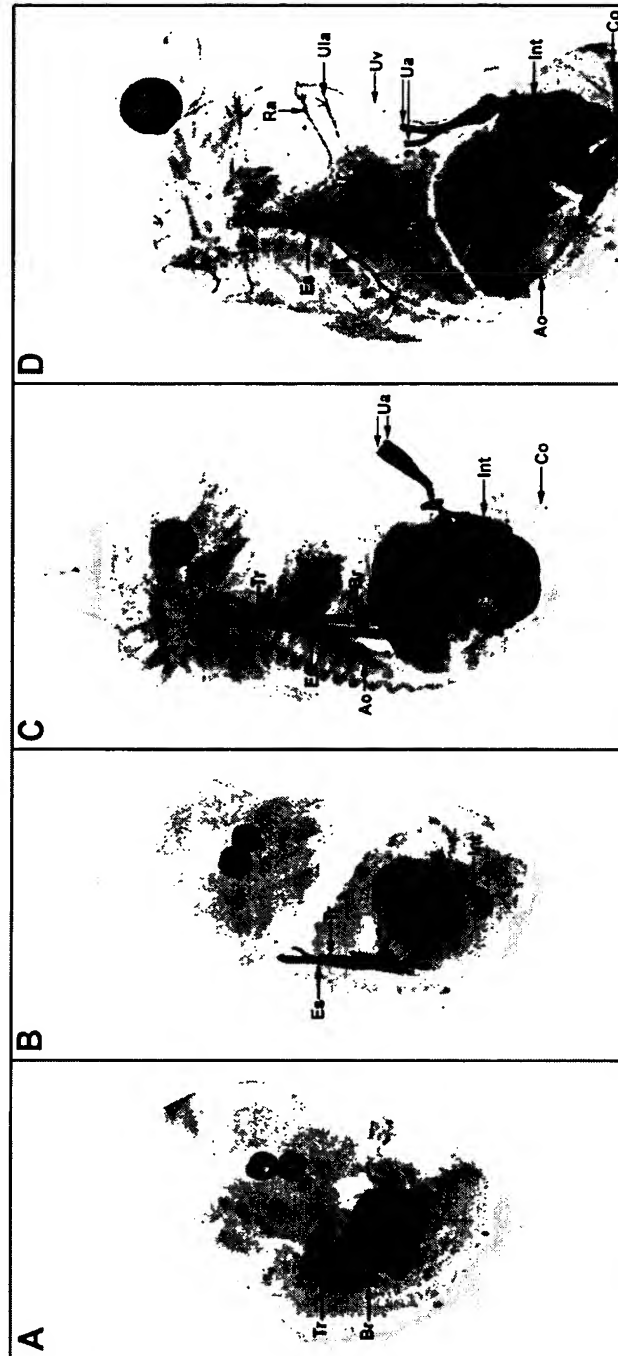


FIG. 14

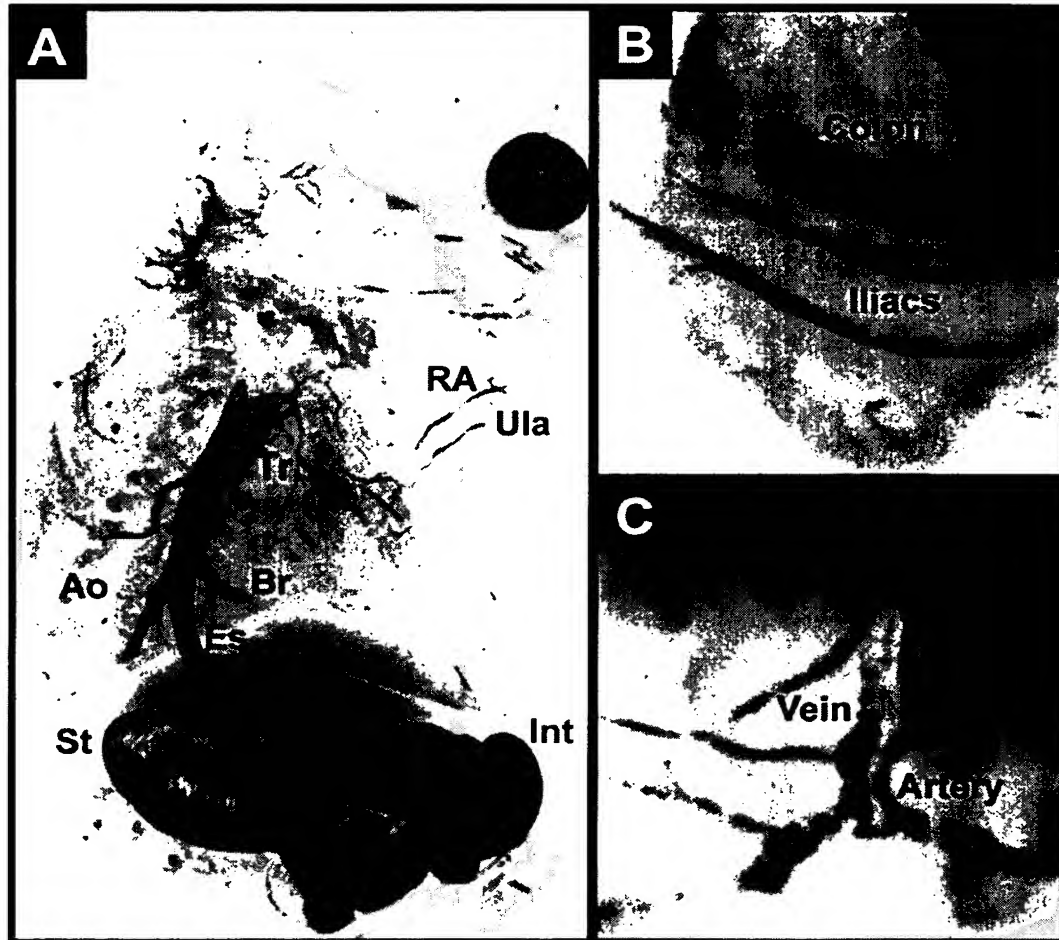


FIG. 15



Anterior



Posterior

FIG. 16

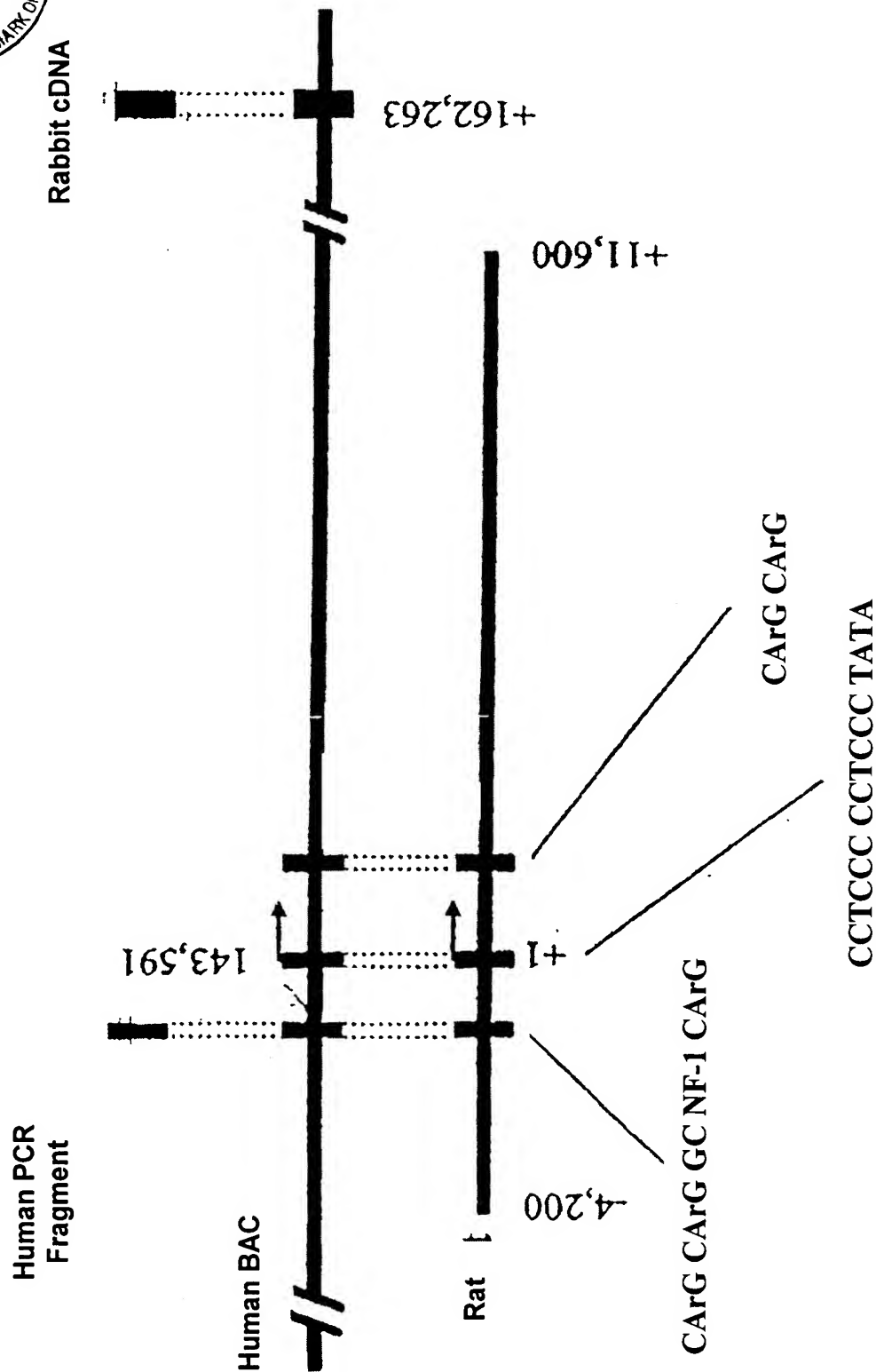


FIG. 17

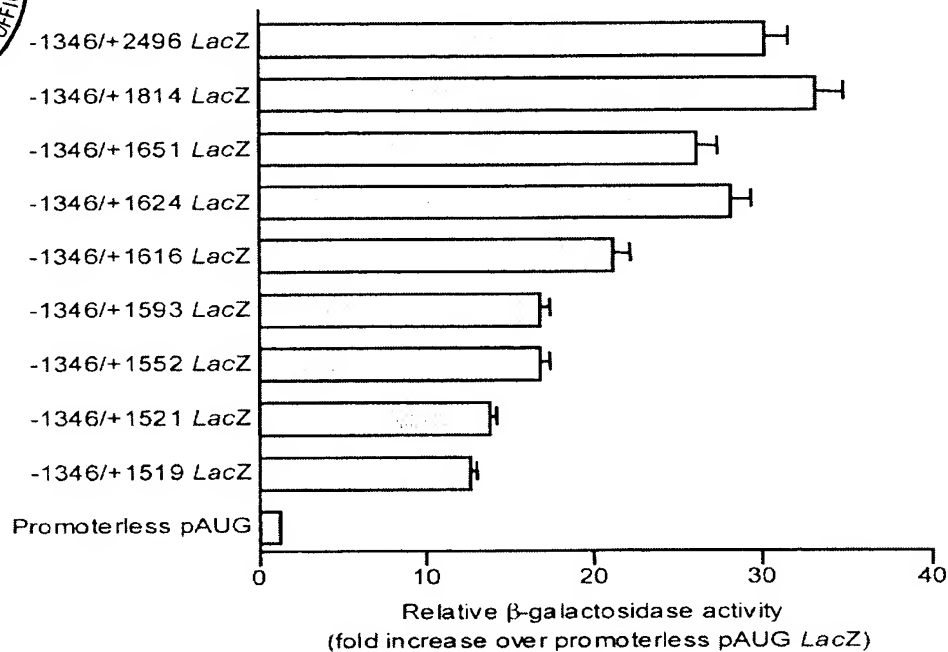


FIG. 18A

| | |
|-------------|---|
| Rat +1422 | GT GGATG TGGTAGGGTTCCAG GAG GCTGGCGTGATCTCAAACATGCCTGG |
| Human +1776 | AG--G--C--CCA--CCGA-AG-----AAC-T-AA--A--TG-G---TTTC-GA-AAGCC |
| Rat +1472 | GCCAAGC CACCCTGGAGAAACC TGGACTTTTATTATCAGATCTGAAATAGA GCCTC |
| Human +1836 | ----G--TTG--T--T-A-A--A--TTT-----TG--C-----TGTGT-A |
| Rat +1528 | TTCCGTACAAGGTAGTCACTATGGAT TTATCATTACTTTTCTGTGGGA-GGCTGGGC |
| Human +1896 | -----TCTGT-----TTG-----C-----G---A-A-A |
| Rat +1584 | TGGAGGCAGACATG CCCTTGTATGGT AGTGTTTTCTATGAGGCCATTCCCAGTCCCCCTT |
| Human +1956 | -T-----A----- A-T -----A-C-----C-----G-C----- |
| Rat +1644 | GGCCAATCACCAGCCTTTTCGA TGCAG CC T G ACTGGCTTGAGTTCTGGGTACT |
| Human +2014 | C-T--G-T-----G--CC----C--GGT-G-TC-----CCT-GGGATTT--CTA |

FIG. 18B

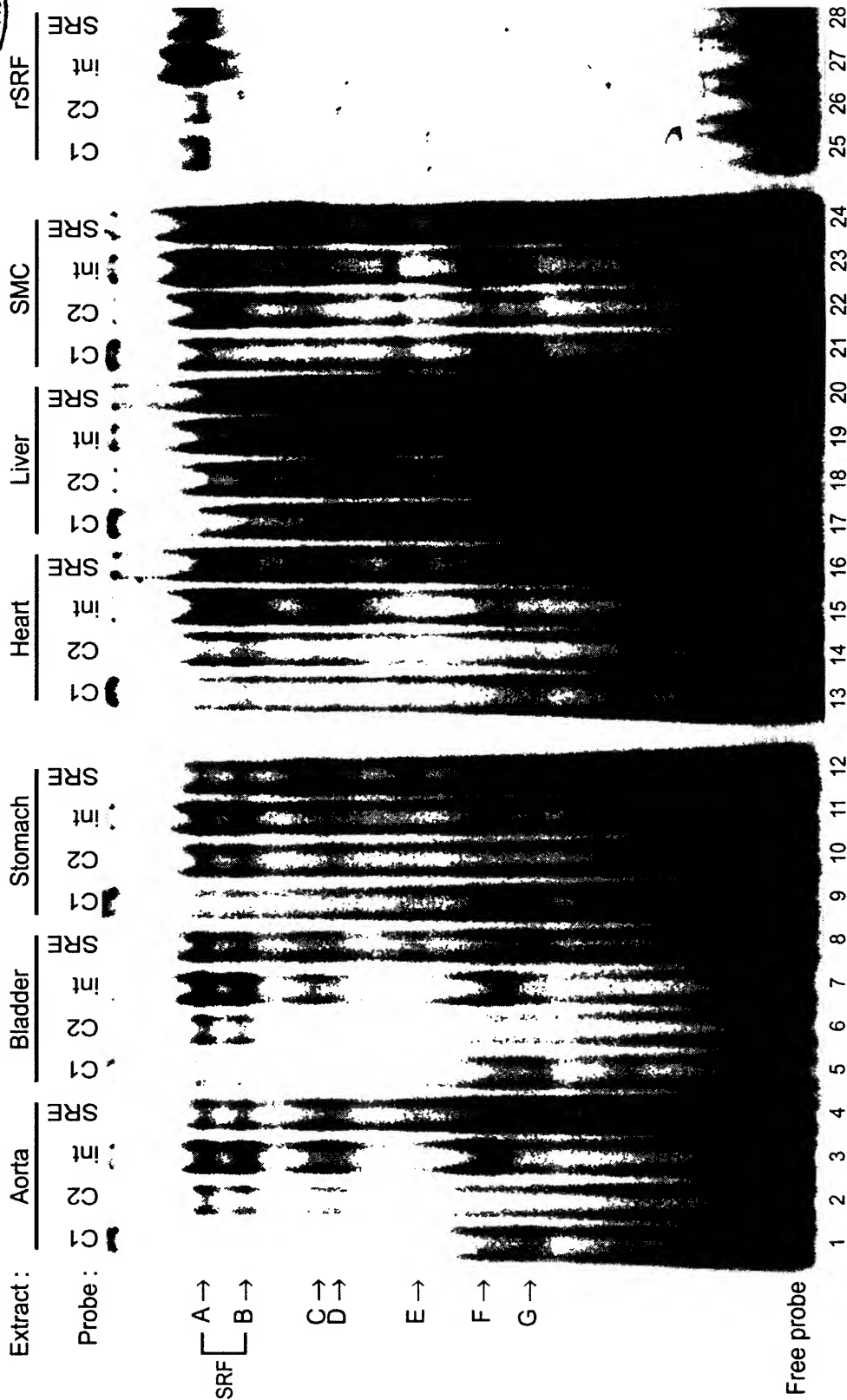


FIG. 19

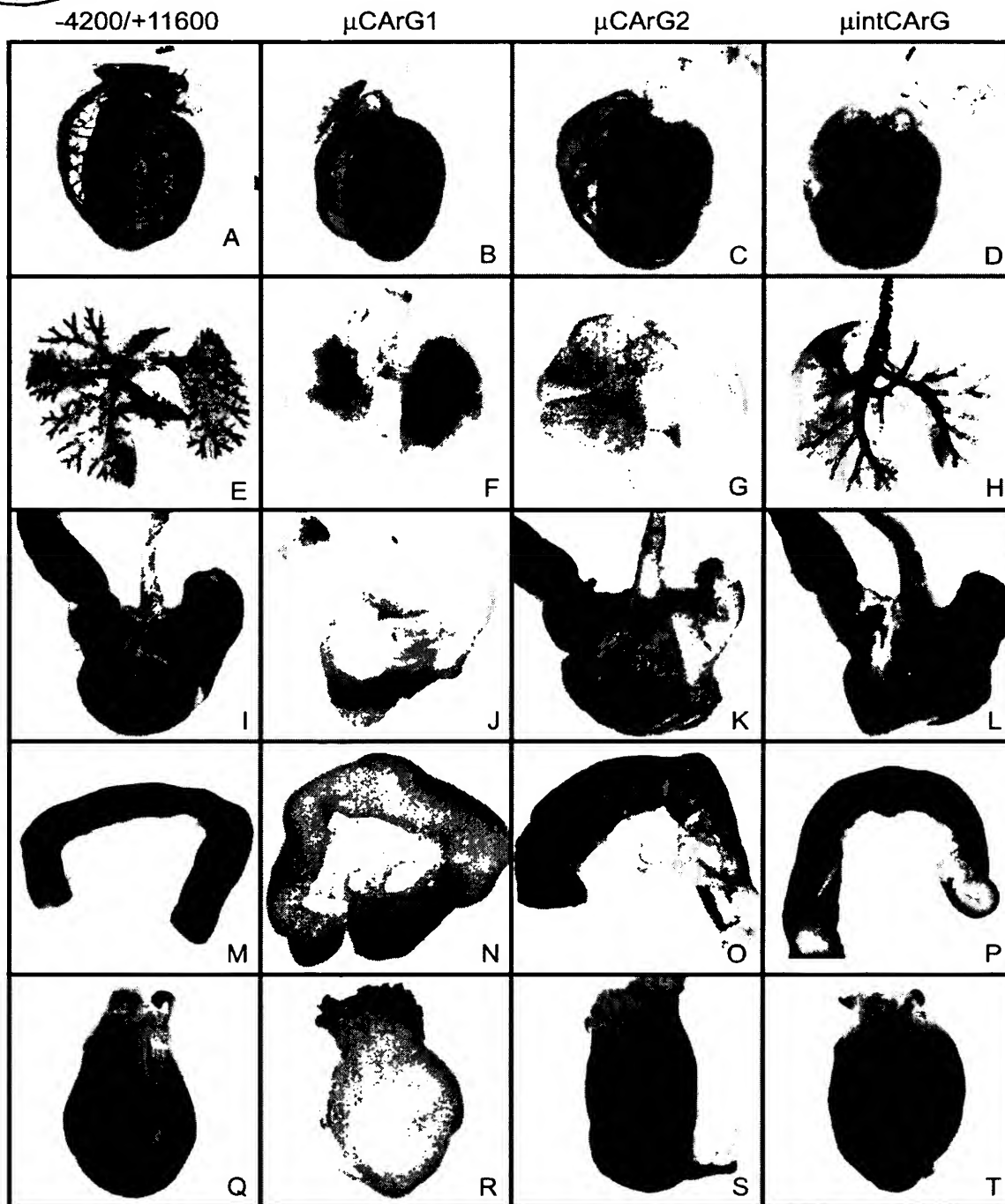


FIG. 20

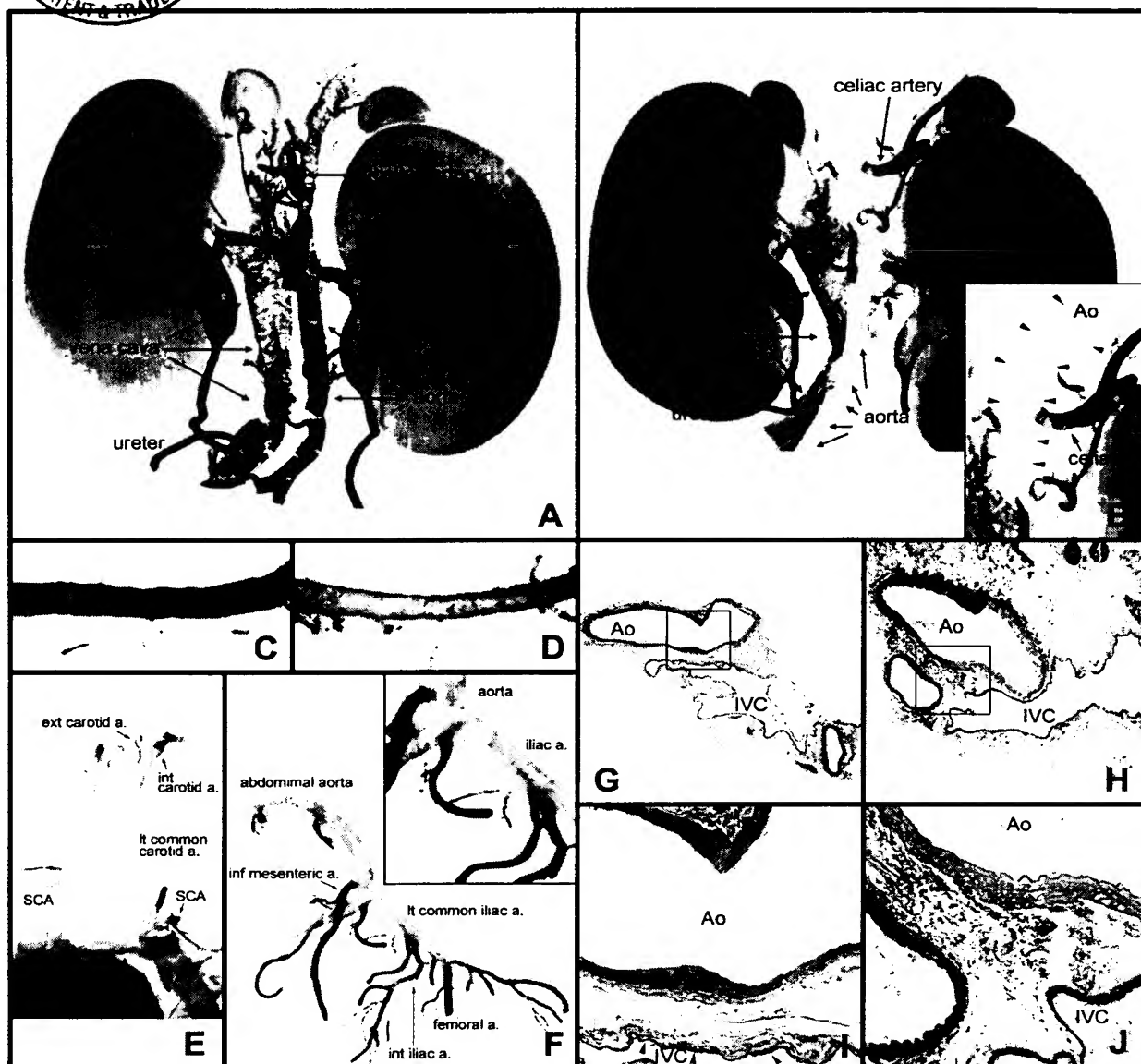


FIG. 21



negative -4200/+11600 LacZ CARG1 mutant CARG2 mutant int CARG mutant

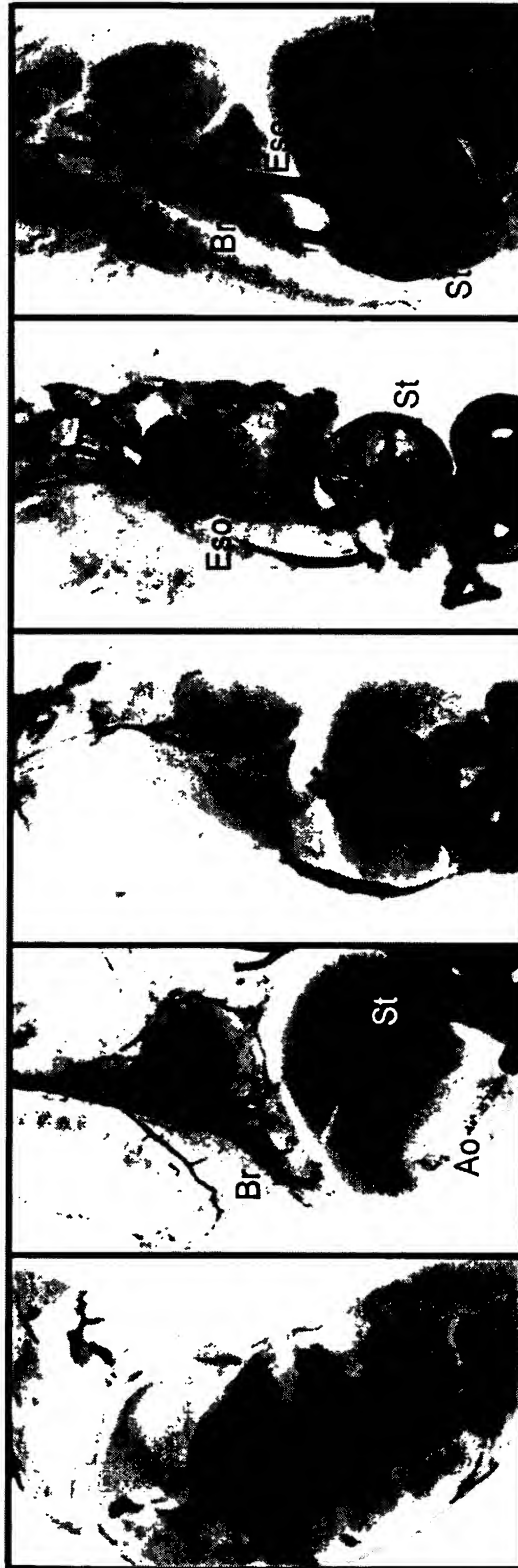


FIG. 22

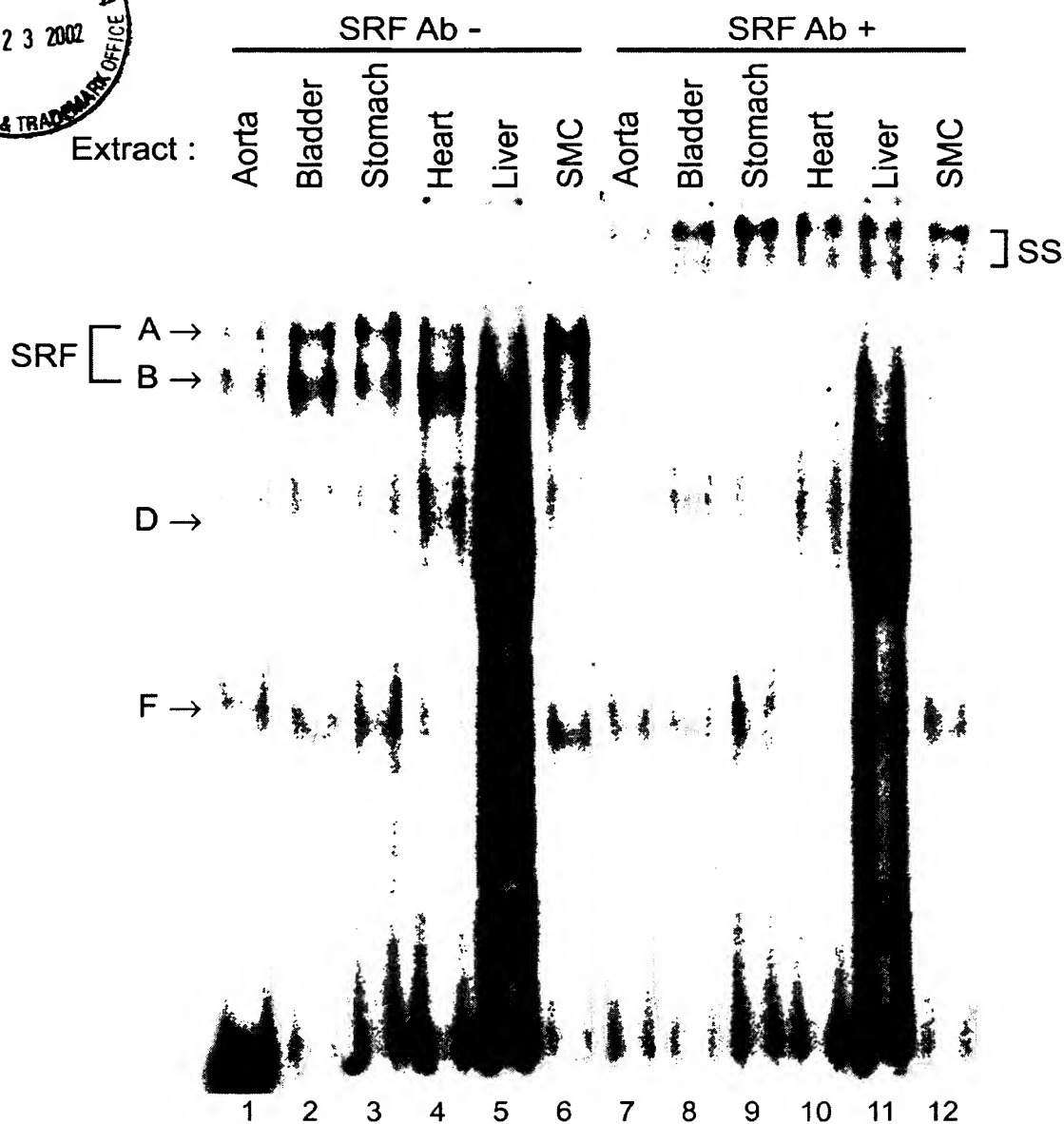


FIG. 23

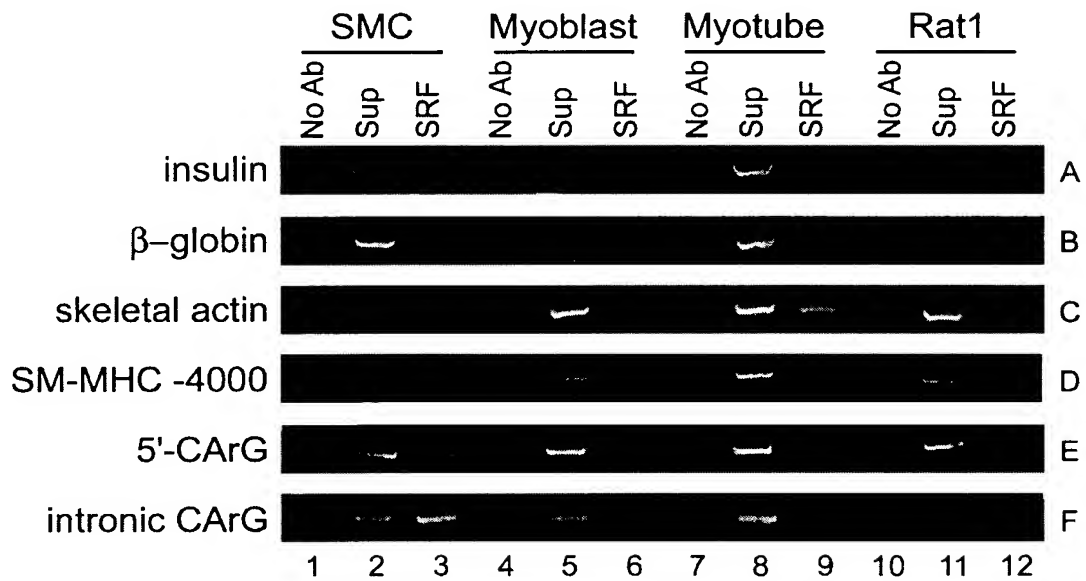


FIG. 24